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## IN THE CLAIMS

1. (Original) A flat display comprising:

a substrate;

a field emission type electron-emitting source mounted on said substrate;

a front glass member opposing said substrate through a vacuum space and having light transmittance at least partially;

an electron extracting electrode with an electron passing hole and set away from said electron-emitting source to oppose said substrate; and

a phosphor film formed on a surface of said front glass member which opposes said substrate,

said electron-emitting source comprising

a plate-like metal member with a large number of through holes and serving as a growth nucleus for nanotube fibers, and

a coating film formed of nanotubes that cover a surface of said metal member and inner walls of the through holes.

 (Original) A display according to claim 1, wherein said electron-emitting source comprises a plurality of band-like electron-emitting sources arranged parallel to each other,

said electron extracting electrode comprises a plurality of band-like extracting electrodes arranged in a direction perpendicular to said band-like electron-emitting sources, and

said phosphor film comprises a plurality of band-like phosphor films arranged to oppose said band-like extracting electrodes.

3. (Original) A display according to claim 2, wherein said display further comprises a plurality of support ribs vertically standing on said substrate at a predetermined interval,

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said band-like electron-emitting sources are arranged among said support ribs, and said band-like electron extracting electrodes are supported on said support ribs.

- 4. (Original) A display according to claim 1, wherein said electron-emitting source is fixed to said substrate with an adhesive containing frit glass.
- 5. (Original) A display according to claim 1, wherein said metal member of said electron-emitting source is made of one of iron and an iron-containing alloy, and the panetubes constituting said coating film are made of carbon and

the nanotubes constituting said coating film are made of carbon and adapted to cover said metal member in a curled state.

- 6. (Currently Amended) A display according to claim 5, wherein the nanotube fibers constituting said coating film are fibers each with a thickness of not less than 10 nm and less than 1  $\mu$ m and a length of not less than 1  $\mu$ m and less than 100  $\mu$ m.
- 7. (Currently Amended) A display according to claim 5, wherein said metal member has a thickness of 0.05 mm to 0.20 mm, and said coating film covers the surface of said metal member and the inner walls of the through holes to a thickness of 10 μm to 30 μm to form a smooth curved surface.
- 8. (Original) A display according to claim 1, wherein said metal member has the through holes in a matrix shape to form a grid.
- 9. (Withdrawn) A method of mounting a field emission type electron-emitting source, comprising the steps of:

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fabricating a metal substrate, integrally having a plurality of band-like plate-like metal members formed of metal plates arranged parallel to each other at a predetermined interval and with a large number of through holes to serve as a growth nucleus for nanotubes and a pair of holding members opposing each other through the band-like plate-like metal members and adapted to hold two ends of each of the band-like plate-like metal members,

forming a coating film, formed of nanotube fibers, on a surface of the metal substrate and inner walls of the through holes,

adhering the band-like metal members to a surface of a glass substrate, with a tensile force being applied to the metal substrate formed with the coating film, between the holding members, and

separating the holding members away from the metal substrate, and unloading a glass substrate on which a field emission type electron-emitting source has been mounted.

10. (Withdrawn) A method according to claim 9, wherein the step of adhering comprises the step of adhering the band-like metal members on the glass substrate while plate-like metal attaching metal fixtures, to which two ends of the metal substrate are fixed, are heated to 400\_ to 600\_.